

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4492001

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
TIVERSA IP INC.		06/06/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	KROLL INFORMATION ASSURANCE, LLC	
<b>Street Address:</b>	600 THIRD AVENUE	
<b>City:</b>	NEW YORK	
<b>State/Country:</b>	NEW YORK	
<b>Postal Code:</b>	10016	
<b>PROPERTY NUMBERS Total: 39</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	60923042	
Application Number:	12082407	
Application Number:	60934150	
Application Number:	12157598	
Application Number:	60857334	
Application Number:	11935747	
Application Number:	14689182	
Application Number:	60857337	
Application Number:	11935757	
Application Number:	11103818	
Application Number:	60736794	
Application Number:	11599828	
Application Number:	13445343	
Application Number:	10764111	
Application Number:	11599180	
Application Number:	12814889	
Application Number:	12850146	
Application Number:	13118960	
Application Number:	13149193	
Application Number:	13361335	

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Property Type	Number
Application Number:	11039981
Application Number:	12899053
Application Number:	13429949
Application Number:	13429974
Application Number:	14152015
Application Number:	11040364
Application Number:	12537891
Application Number:	13163256
Application Number:	11103672
Application Number:	13428730
Application Number:	61568924
Application Number:	13706703
Application Number:	61656675
Application Number:	61726346
Application Number:	13911563
Application Number:	15218218
Application Number:	61697916
Application Number:	14018705
Application Number:	61334635

#### CORRESPONDENCE DATA

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**ATTORNEY DOCKET NUMBER:** 0100920.00071

**NAME OF SUBMITTER:** ALI R. SHARIFAHMADIAN

**SIGNATURE:** /Ali R. Sharifahmadian/

**DATE SIGNED:** 07/06/2017

#### Total Attachments: 27

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**PATENT ASSIGNMENT**

This PATENT ASSIGNMENT (the “Assignment”) is effective as of June 6, 2017 (the “Effective Date”), by and between Tiversa IP Inc., a Delaware corporation (“Assignor”) and Kroll Information Assurance, LLC, a Delaware limited liability company (“Assignee”). Capitalized terms used in this Assignment without definition have the respective meanings given to them in the APA (as defined herein).

WHEREAS, pursuant to Section 2.1(a) of that certain Asset Purchase Agreement dated June 6, 2017 (the “APA”) to which the Assignor and the Assignee are parties, the Assignee has agreed to acquire all of the Assignor’s right, title and interest in and to the Purchased Assets, including certain patents;

NOW, THEREFORE, in consideration of the mutual agreements contained herein, and for other good and valuable consideration, including the consideration received in connection with the APA, the receipt and sufficiency of which is hereby acknowledged, the Assignor and Assignee agree as follows:

1. Assignor hereby assigns, transfers and conveys to Assignee all of its right, title and interest in and to the patents and patent applications set forth on Schedule A hereto, together with (i) any and all other rights, priorities and privileges of Assignor provided under the laws of the United States and relevant nations or any multinational law, compact, treaty, protocol, convention or organization, with respect to the such patents and patent applications; (ii) the right to bring an action at law or in equity for any infringement, impairment or other unauthorized use of the foregoing prior to the Effective Date and to collect all damages and proceeds therefrom and (iii) any and all patents issuing therefrom and rights to obtain renewals, reissues, re-examinations, divisionals, continuations and continuations-in-part, extensions, foreign counterparts or other legal protections pertaining to the foregoing (all of the foregoing, collectively, “Assigned Patents”) . Assignee shall hold all right, title and interest in and to the Assigned Patents as fully and exclusively as same would have been held and enjoyed by Assignor had the above assignment not been made.

2. At Assignee’s request and expense, Assignor will take such further actions and execute promptly such further documents as are necessary or desirable in all applicable countries and jurisdictions to transfer, vest, record and perfect good, valid and marketable title to and rights in the Assigned Patents in Assignee. Assignor hereby authorizes Assignee to request the relevant registrars, registries and government entities and offices to record this Assignment and take all other necessary and desirable actions to further the intents and purposes of the Assignment.

3. This Assignment shall be governed by and construed in accordance with the laws of the State of New York. Any dispute relating to this Assignment shall be brought solely in the state courts located in the State, City and County of New York or the federal courts located in the State, City and County of New York.

IN WITNESS WHEREOF, the undersigned have executed this Assignment as of the date first above written.

ASSIGNEE:

KROLL INFORMATION ASSURANCE, LLC

By: 

Name: David R. Fontaine

Title: Senior Vice President and Secretary

IN WITNESS WHEREOF, the undersigned have executed this Assignment as of the date first above written.

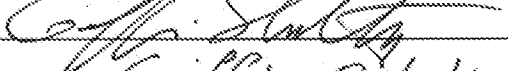
**ASSIGNEE:**

KROLL INFORMATION ASSURANCE, LLC

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**ASSIGNOR:**

TIVERSA IP, INC.

By:   
Name: Griffin Schultz  
Title: CEO

EXECUTION VERSION

SCHEDULE A

Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P	1	US	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	11/040,364	1/21/2005	7,563,682	9/1/2009
111051	0009P1	2	US	ISSUED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	11/599,828	11/15/2006	7,697,520	4/13/2010
111051	0010	3	US	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	10/764,111	1/23/2004	7,761,569	7/20/2010
111051	0010C1	4	US	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	11/599,180	11/14/2006	7,763,749	8/24/2010
111051	0010P1AU	5	AU	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	2005208659	1/21/2005	2005208659	9/9/2010
111051	0010P1CN	6	CN	ISSUED	METHOD FOR OPTIMALLY UTILIZING A	200580008723.5	1/21/2005	ZL200580008723.5	10/27/2010

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Client Code	Matter Code		Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P2AU	7	UTL	AU	ISSUED	PEER TO PEER NETWORK METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION ON	2005208650	1/21/2005	2005208650	11/4/2010
111051	0009JP	8	UTL	JP	ISSUED	SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	2008-506 642	4/11/2006	4,657,347	1/7/2011
111051	0010P1HK	9	UTL	HK	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	07110296.3	9/21/2007	1105147B	1/14/2011
111051	0010P1JP	10	UTL	JP	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	2006-551,220	1/21/2005	4,671,972	1/28/2011
111051	0010P2JP	11	UTL	JP	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION ON	2006-551,221	1/21/2005	4,714,698	4/1/2011
111051	0009P1CN	12	UTL	CN	ISSUED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	200680051093.4	11/15/2006	ZL200680051093.4	7/6/2011

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0007AU	UTL	AU	ISSUED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	2007317889	11/6/2007	2007317889	8/25/2011
111051	0010JP	UTL	JP	ISSUED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	2008-506,641	4/1/2006	4,833,280	9/30/2011
111051	0010C3	UTL	US	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	12/850,146	8/4/2010	8,037,176	10/11/2011
111051	0010P3CN	UTL	CN	ISSUED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	200680021014.5	4/1/2006	ZL200680021014.5	12/21/2011
111051	0010P1	UTL	US	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	11/039,981	1/21/2005	8,095,614	1/10/2012
111051	0010C2	UTL	US	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER	12/814,889	6/14/2010	8,122,133	2/21/2012

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P3	19	US	ISSUED	TO PEER NETWORK SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	11/103,672	4/12/2005	8,156,175	4/10/2012
111051	0005AU	20	AU	ISSUED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	2008239632	4/10/2008	2008239632	5/3/2012
111051	0010AU	21	AU	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	2006203234	7/29/2006	2006203234	7/26/2012
111051	0006AU	22	AU	ISSUED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	2008262231	6/11/2009	2008262231	10/4/2012
111051	0010P2JPD1	23	JP	ISSUED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	2011-145,738	4/11/2006	5,118,762	10/26/2012

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Client Code	Matter Code		Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P3C1	24	UTL	US	ISSUED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	13/428,730	3/23/2012	8,312,080	11/13/2012
111051	0010P1CA	25	UTL	CA	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	2,595,684	1/21/2005	2,595,684	1/8/2013
111051	0005JP	26	UTL	JP	ISSUED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	2010-503,053	4/10/2009	5,174,389	1/11/2013
111051	0010P2C2	27	UTL	US	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	13/163,256	6/17/2011	8,358,641	1/22/2013
111051	0010C5	28	UTL	US	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	13/149,193	5/31/2011	8,386,613	2/26/2013
111051	0010P1AUD1	29	UTL	AU	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	20102146/2	1/21/2005	20102146/2	3/25/2013

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Client Code	Matter Code		Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0009P1JP	30	UTL	JP	ISSUED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	2008-541,313	11/15/2006	5254801	4/26/2013
111051	0010P2AUD1	31	UTL	AU	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATI ON	2010235985	1/21/2005	2010235985	5/9/2013
111051	0010P2CA	32	UTL	CA	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATI ON	2,595,439	1/21/2005	2,595,439	5/28/2013
111051	0010C4	33	UTL	US	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	13/118,960	5/31/2011	8,468,250	6/18/2013
111051	0009CN	34	UTL	CN	ISSUED	SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	20068020938	4/11/2006	ZL20068020938.3	7/31/2013
111051	0006CN	35	UTL	CN	ISSUED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	200880101900.8	6/11/2008	ZL200880101900.8	11/20/2013
111051	0006AUD1	36	UTL	AU	ISSUED	SYSTEM AND METHOD FOR ADVERTISING	2012227205	6/11/2008	2012227205	12/24/2013

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Client Code	Matter Code		Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P1JPD1	37	UTL	JP	ISSUED	ON A PEER-TO-PEER NETWORK METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	2010-266,351	1/21/2005	5,470,228	2/7/2014
111051	0006JP	38	UTL	JP	ISSUED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	2010-512,167	6/11/2008	5,539,863	5/9/2014
111051	0009P1JPD1	39	UTL	JP	ISSUED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	2011-239,203	11/15/2006	5,554,766	6/6/2014
111051	0010P1D1C2	40	UTL	US	ISSUED	METHOD AND APPARATUS FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK NODE BY ENFORCING CONNECTION TIME LIMITS	13/429,974	3/26/2012	8,769,115	7/1/2014
111051	0006HK	41	UTL	HK	ISSUED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	11100953.2	1/28/2011	1146967B	7/4/2014
111051	0010P2C1	42	UTL	US	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK	12/537,891	8/7/2009	8,798,016	8/5/2014

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010C6	43	US	ISSUED	COMMUNICATI ON METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	13/361,335	1/30/2012	8,819,237	8/26/2014
111051	0010AUD1	44	AU	ISSUED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	2012201512	7/28/2006	2012201512	9/1/2014
111051	0010P1D1C1	45	US	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	13/429,949	3/26/2012	8,904,015	12/2/2014
111051	0005U	46	US	ISSUED	SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER- TO PEER NETWORK	12/082,407	4/10/2008	8,909,664	12/9/2014
111051	0007JPD1	47	JP	ISSUED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	2013-086,450	11/6/2007	5,698,300	2/20/2015
111051	0010P1D1	48	US	ISSUED	METHOD FOR SPLITTING A LOAD OF MONITORING A PEER TO PEER	12/899,053	10/6/2010	8,972,585	3/3/2015

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P2IN	49 UTL	IN	ISSUED	NETWORK				
111051	0010P2IN	49	IN	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	4810/DENP/2006	1/21/2005	255696	3/5/2015
111051	0010P2CN	50 UTL	CN	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	200580008651.4	1/21/2005	ZL200580008651.4	3/25/2015
111051	0007U	51 UTL	US	ISSUED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER-TO-PEER NETWORK	11/935,747	11/6/2007	9,021,026	4/28/2015
111051	0009P1CA	52 UTL	CA	ISSUED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	2,629,273	11/15/2006	2,629,273	7/14/2015
111051	0016U	53 UTL	US	ISSUED	SNIPPET MATCHING IN FILE SHARING NETWORKS	14/018,705	9/5/2013	9,088,545	7/21/2015
111051	0014U	54 UTL	US	ISSUED	SYSTEM FOR FORENSIC ANALYSIS OF SEARCH TERMS	13/706,703	12/6/2012	9,125,306	9/15/2015
111051	0007CN	55 UTL	CN	ISSUED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE	200780049459.9	11/6/2007	ZL200780049459.9	9/16/2015

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111051	0009U	UTL	US	ISSUED	WITH A PEER TO PEER NETWORK SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	11/103,818	4/12/2005	9,178,940	11/3/2015
111051	0010P2HK	UTL	HK	ISSUED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	07111074.9	10/12/2007	HK1106084	11/13/2015
111051	0009CA	UTL	CA	ISSUED	SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	2,604,199	4/11/2006	2,604,199	11/24/2015
111051	0010P1D1C3	UTL	US	ISSUED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	14/152,015	1/10/2014	9,300,534	3/29/2016
111051	0006CA	1	CA	PENDING	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	2,663,600	4/10/2008		
111051	0005EP	2	EP	PENDING	A SYSTEM AND METHOD FOR CREATING A LIST OF	08 742 709 2	4/10/2008		

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111051	0006CA	3	UTL	CA	PENDING	SHARED INFORMATION ON A PEER-TO-PEER NETWORK SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	2,727,548	6/11/2008		
111051	0006EP	4	UTL	EP	PENDING	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	08,768,320.7	6/11/2008		
111051	0006IN	5	UTL	IN	PENDING	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	129,CHENP/2010	6/11/2008		
111051	0007CA	6	UTL	CA	PENDING	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	2,668,881	11/6/2007		
111051	0007EP	7	UTL	EP	PENDING	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	07,861,726.3	11/6/2007		
111051	0007IN	8	UTL	IN	PENDING	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	3143,DELNP/2009	11/6/2007		
111051	0007MO	9	UTL	MO	PENDING	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	J/001984	12/14/2015		

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111051	0009P	10	UTL	EP	PENDING	EXPERIENCE WITH A PEER TO PEER NETWORK SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	06 749 896.4	4/11/2006		
111051	0009P1BR	11	UTL	BR	PENDING	THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE SYSTEM FOR IDENTIFYING	P10618613-0	11/15/2006		
111051	0009P1EP	12	UTL	EP	PENDING	THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	06 837 687.0	11/15/2006		
111051	0009P1IN	13	UTL	IN	PENDING	THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	4006/DELNP/20 06	11/15/2006		
111051	0009P1RE	14	UTL	US	PENDING	THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	13/445,343	4/12/2012		

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111051	0010CA	15	UTL	CA	PENDING	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	PI0567051-1	1/26/2006	
111051	0010P1BR	16	UTL	BR	PENDING	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	PI0567051-1	1/21/2005	
111051	0010P1EP	17	UTL	EP	PENDING	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	05 705 873.7	1/21/2005	
111051	0010P1IN	18	UTL	IN	PENDING	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	4781/DELNP/2005	1/21/2005	
111051	0010P2BR	19	UTL	BR	PENDING	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	PI0567072-4	1/21/2005	
111051	0010P2EP	20	UTL	EP	PENDING	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	05 705 874.5	1/21/2005	
111051	0010P3CA	21	UTL	CA	PENDING	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION	2,604,196	4/11/2006	

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0015AU	22	UTL	AU	PENDING	ON A PEER-TO-PEER NETWORK BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	2013271563	6/6/2013	
111051	0016CA	23	UTL	CA	PENDING	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	2,875,524	6/6/2013	
111051	0016IN	24	UTL	IN	PENDING	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	8888/CHEN/P2 014	6/6/2013	
111051	0016AU	25	UTL	AU	PENDING	SNIPPET MATCHING IN FILE SHARING NETWORKS	2013312742	9/5/2013	
111051	0016CA	26	UTL	CA	PENDING	SNIPPET MATCHING IN FILE SHARING NETWORKS	2,863,935	9/5/2013	
111051	0016HK	27	UTL	HK	PENDING	SNIPPET MATCHING IN FILE SHARING NETWORKS	15112809.9	12/30/2015	
111051	0005BR	1	UTL	BR	PUBLISHED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	P10811048-4	4/10/2008	

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0005CND1	2	CN	PUBLISHED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	201510619360.4	4/10/2008		
111051	0005IN	3	IN	PUBLISHED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	6383/CHENP/2009	4/10/2008		
111051	0006BR	4	BR	PUBLISHED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	PI0813820-6	6/11/2008		
111051	0006U	5	US	PUBLISHED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	12/157,598	6/11/2008		
111051	0007BR	6	BR	PUBLISHED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	PI0718592-0	11/6/2007		
111051	0007C1	7	US	PUBLISHED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER-TO-PEER NETWORK	14/689,192	4/17/2015		

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0009BR	8	UTL	BR	PUBLISHED	SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	P10607541-0	4/11/2006	
111051	0009IN	9	UTL	IN	PUBLISHED	SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	8106/DELNP/20 07	4/11/2006	
111051	0010P1CND2	10	UTL	CN	PUBLISHED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	201310430437.4	1/21/2005	
111051	0010P1HKD2	11	UTL	HK	PUBLISHED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	1410/7882.0	8/1/2014	
111051	0010P3BR	12	UTL	BR	PUBLISHED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	P106075/6-2	4/11/2006	
111051	0010P3IN	13	UTL	IN	PUBLISHED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	8100/DELNP/20 07	4/11/2006	

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REEL: 043099 FRAME: 0929

Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0015CN	14	CN	PUBLISHED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	201380041866.0	6/6/2013		
111051	0015EP	15	EP	PUBLISHED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	13 730 423.4	6/6/2013		
111051	0015HK	16	HK	PUBLISHED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	15105316.9	6/4/2015		
111051	0015JP	17	JP	PUBLISHED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	2015-516,188	6/6/2013		
111051	0015SU	18	US	PUBLISHED	A SYSTEM AND METHOD FOR MONITORING BITTORRENT CONTENT AND THE COMPUTERS THAT SHARE BITTORRENT CONTENT	13/911,563	6/6/2013	9,432,273	
			US	PUBLISHED	A SYSTEM AND METHOD FOR MONITORING BITTORRENT CONTENT AND THE COMPUTERS	15/218218			

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0006CN	1	UTL	CN	ABANDONED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	200880011661	7	4/10/2008
111051	0005HK	2	UTL	HK	ABANDONED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	101106125		11/15/2010
111051	0007JP	3	UTL	JP	ABANDONED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	2009536267		11/6/2007
111051	0008U	4	UTL	US	ABANDONED	SYSTEM AND METHOD FOR PEER-TO-PEER COMPENSATION	11/935,757		11/6/2007
111051	0010P1CND1	5	UTL	CN	ABANDONED	METHOD OF OPTIMALLY UTILIZING A PEER TO PEER NETWORK	201010270083	8	1/21/2005

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REEL: 043099 FRAME: 0932

Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0010P1HKD1	UTL	HK	ABANDONED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	11107927.0	8/1/2011		
111051	0010P3EP	UTL	EP	ABANDONED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	06 749 893.1	4/11/2006		
111051	0010DEUM	UTM	DE	EXPIRED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	20 2006 001 268.0	1/26/2006	20 2006 001 268.0	8/3/2006
111051	0010ATUM	UTM	AT	EXPIRED	METHOD FOR MONITORING AND PROVIDING INFORMATION OVER A PEER TO PEER NETWORK	GMS52006	1/26/2006	10 551	3/15/2009
111051	0005PCT	UTL	WO	EXPIRED	A SYSTEM AND METHOD FOR CREATING A LIST OF SHARED INFORMATION ON A PEER-TO-PEER NETWORK	PCT/US2008/00 4614	4/10/2008		
111051	0005R	PRV	US	EXPIRED	SYSTEM AND METHOD FOR USING A SEARCH	60/923,042	4/12/2007		

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0006PCT	UTL	WO	EXPIRED	QUERY TO LOCATE CRITERIA SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	PCT/US2008/007262	6/1/2008		
111051	0006R	PRV	US	EXPIRED	SYSTEM AND METHOD FOR ADVERTISING ON A PEER-TO-PEER NETWORK	60/934,150	6/1/2007		
111051	0007PCT	UTL	WO	EXPIRED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO PEER NETWORK	PCT/US2007/023321	11/6/2007		
111051	0007R	PRV	US	EXPIRED	SYSTEM AND METHOD FOR ENHANCED EXPERIENCE WITH A PEER TO-PEER NETWORK	60/857,334	11/7/2006		
111051	0008PCT	UTL	WO	EXPIRED	SYSTEM AND METHOD FOR PEER-TO-PEER COMPENSATION	PCT/US2007/023320	11/6/2007		
111051	0008R	PRV	US	EXPIRED	SYSTEM AND METHOD FOR PEER-TO-PEER COMPENSATION	60/857,337	11/7/2006		
111051	0009P1PCT	UTL	WO	EXPIRED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER	PCT/US2006/044366	11/15/2006		

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Client Code	Matter Code		Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0009PCT	12	UTL	WO	EXPIRED	NETWORK SOFTWARE APPLICATIONS SYSTEM AND METHOD FOR DETECTING PEER-TO-PEER NETWORK SOFTWARE	PCT/US2006/013671	4/1/2006		
111051	0009R	13	PRV	US	EXPIRED	SYSTEM FOR IDENTIFYING THE PRESENCE OF PEER-TO-PEER NETWORK SOFTWARE APPLICATIONS	60/736,794	11/15/2005		
111051	0010P1PCT	14	UTL	WO	EXPIRED	METHOD FOR OPTIMALLY UTILIZING A PEER TO PEER NETWORK	PCT/US2005/001622	1/21/2005		
111051	0010P2PCT	15	UTL	WO	EXPIRED	METHOD FOR IMPROVING PEER TO PEER NETWORK COMMUNICATION	PCT/US2005/001623	1/21/2005		
111051	0010P3PCT	16	UTL	WO	EXPIRED	SYSTEM AND METHOD FOR SEARCHING FOR SPECIFIC TYPES OF PEOPLE OR INFORMATION ON A PEER-TO-PEER NETWORK	PCT/US2006/013666	4/1/2006		
111051	0013R	17	PRV	US	EXPIRED	SYSTEM AND METHOD FOR PROTECTING AN INTERNET CONNECTED	61/234,635	5/14/2010		

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Client Code	Matter Code		Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
						COMPUTER FROM P2P SOFTWARE AND OTHER MALWARE				
111051	0014PCT	18	UTL	W/O	EXPIRED	SYSTEM FOR FORENSIC ANALYSIS OF SEARCH TERMS	PCT/US2012/06 8138	12/6/2012		
111051	0014R	19	PRV	US	EXPIRED	SYSTEM FOR FORENSIC ANALYSIS OF SEARCH TERMS	61/568,924	12/9/2011		
111051	0015PCT	20	UTL	W/O	EXPIRED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	PCT/US2013/04 4429	6/6/2013		
111051	0015R	21	PRV	US	EXPIRED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	61/656,675	6/7/2012		
111051	0015R2	22	PRV	US	EXPIRED	BIT TORRENT SCAN WITH CROSS COMPARISON FOR ROBUST DATA MONITORING	61/726,346	11/14/2012		
111051	0016PCT	23	UTL	W/O	EXPIRED	SNIPPET MATCHING IN FILE SHARING NETWORKS	PCT/US2013/05 8163	9/5/2013		
111051	0016R	24	PRV	US	EXPIRED	SNIPPET MATCHING IN FILE SHARING NETWORKS	61/697,916	9/7/2012		

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Client Code	Matter Code	Patent Type	Country	Status	Title	App Serial No.	Date Filed	Patent No.	Date Issued
111051	0004	UTL	US	CLOSED	***SEE MATTER 111051- 0010**METHO D FOR MONITORING AND PROVIDING INFORMATION OVER A PEER- TO-PEER NETWORK GENERAL FILE		1/23/2004		
111051	0000	UTL	US	GENERAL					

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